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10/648,038 - 03-0933/L13.12-0240
MEMORY MAPPING FOR PARALLEL...

REPLACEMENT SHEET

$$\mathbb{I}_0 : \begin{array}{ccccc} 25 & 4 & 27 & 41 & 20 \\ 42 & 31 & 33 & 38 & 17 \\ 21 & 5 & 1 & 19 & 34 \\ 36 & 16 & 18 & 40 & 10 \\ 0 & 23 & 11 & 26 & 44 \\ 22 & 9 & 37 & 12 & 35 \\ 43 & 3 & 15 & 7 & 30 \\ 8 & 32 & 24 & 14 & 29 \\ 2 & 28 & 6 & 39 & 13 \end{array}$$
$$\mathbb{I}_1 : \begin{array}{ccccc} 42 & 43 & 7 & 1 & 6 \\ 27 & 23 & 10 & 29 & 13 \\ 26 & 15 & 38 & 19 & 40 \\ 12 & 37 & 9 & 32 & 36 \\ 14 & 25 & 22 & 33 & 28 \\ 8 & 41 & 4 & 30 & 5 \\ 16 & 0 & 35 & 11 & 3 \\ 34 & 20 & 2 & 18 & 31 \\ 44 & 21 & 24 & 17 & 39 \end{array}$$
$$F = \begin{pmatrix} 4 & 42 & 33 & 27 & 20 & 25 & 31 & 41 \\ 17 & 19 & 34 & 21 & 38 & 5 & 1 & 10 \\ 0 & 18 & 26 & 36 & 23 & 16 & 40 & 44 \\ 9 & 3 & 12 & 35 & 37 & 43 & 11 & 22 \\ 29 & 14 & 7 & 8 & 30 & 24 & 32 & 15 \\ 6 & & & 28 & 39 & 13 & & 2 \end{pmatrix}$$

FIG. 1
(PRIOR ART)

$$G_0 : \begin{array}{ccccc} (0,5) & (0,0) & (0,3) & (0,7) & (0,4) \\ (0,1) & (0,6) & (0,2) & (1,4) & (1,0) \\ (1,3) & (1,5) & (1,6) & (1,1) & (1,2) \\ (2,3) & (2,5) & (2,1) & (2,6) & (1,7) \\ (2,0) & (2,4) & (3,6) & (2,2) & (2,7) \\ (3,7) & (3,0) & (3,4) & (3,2) & (3,3) \\ (3,5) & (3,1) & (4,7) & (4,2) & (4,4) \\ (4,3) & (4,6) & (4,5) & (4,1) & (4,0) \\ (5,7) & (5,3) & (5,0) & (5,4) & (5,5) \end{array}$$
$$G_1 : \begin{array}{ccccc} (0,1) & (3,5) & (4,2) & (1,6) & (5,0) \\ (0,3) & (2,4) & (1,7) & (4,0) & (5,5) \\ (2,2) & (4,7) & (1,4) & (1,1) & (2,6) \\ (3,2) & (3,4) & (3,0) & (4,6) & (2,3) \\ (4,1) & (0,5) & (3,7) & (0,2) & (5,3) \\ (4,3) & (0,7) & (0,0) & (4,4) & (1,5) \\ (2,5) & (2,0) & (3,3) & (3,6) & (3,1) \\ (1,2) & (0,4) & (5,7) & (2,1) & (0,6) \\ (2,7) & (1,3) & (4,5) & (1,0) & (5,4) \end{array}$$

REPLACEMENT SHEET

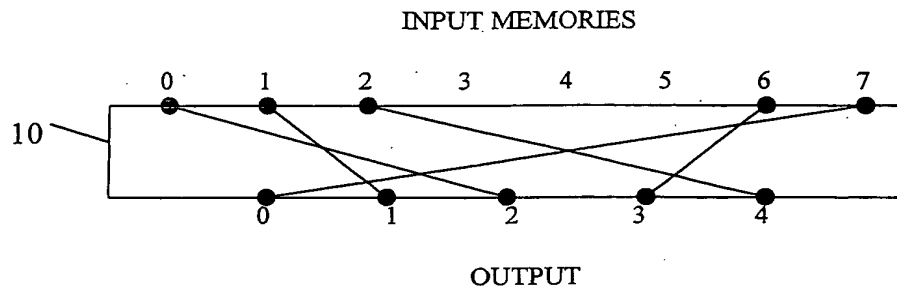


FIG. 2
 (PRIOR ART)

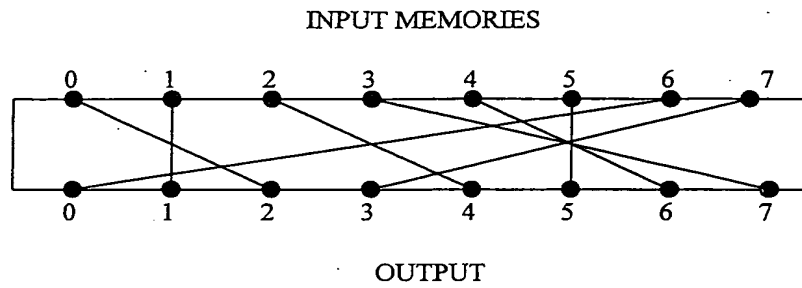


FIG. 3

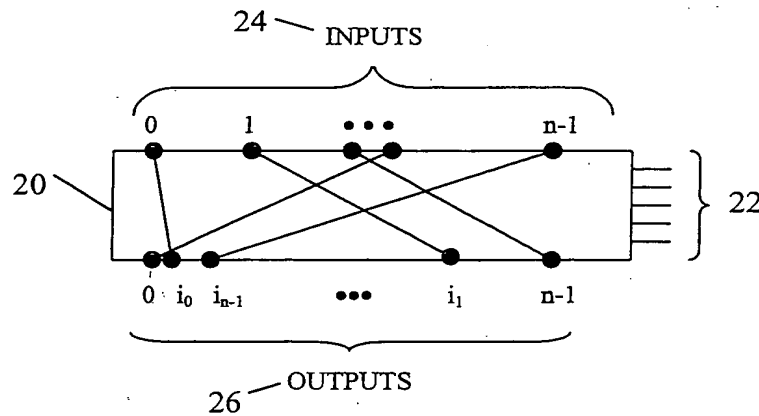


FIG. 4